| Index o | of Claims |  |
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|         |           |  |

| Application No. | Applicant(s) |
|-----------------|--------------|
| 09/886,027      | UENO ET AL.  |
| Examiner        | Art Unit     |
| Harry Vartanian | 2634         |

| Rejected | 1 | (Through numeral)<br>Cancelled |
|----------|---|--------------------------------|
| Allowed  | ÷ | Restricted                     |

| N | ı | Non-Elected  |
|---|---|--------------|
| Г |   | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla            | aim      |          |          |   |          | Date         | 9                                   |                    |                 |   |           | Cla  | im_      |                     |          |        | Da           | te      |              |              |  |            | Cli  | aim        |                                     |          |          |          | ate      |          |          | _        |          |
|----------------|----------|----------|----------|---|----------|--------------|-------------------------------------|--------------------|-----------------|---|-----------|--|----------|---------------------|----------|--------|--------------|---------|--------------|--------------|--|------------|--|------------|-------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Final          | Original | 12/9/04  |          |   |          |              |                                     |                    |                 |   |           | Final  | Original |                     |          |        |              |         |              |              |  |            | Final  | Original   |                                     |          |          |          |          |          |          |          |          |
|                | 1        | 1        | -        |   | -        | Н            | _                                   | Н                  | $\vdash$        |   |           |  | 51       | $\Box$              | +        | 十      | +            | ╅       | T            | $\vdash$     | T  |            |  | 101        | Т                                   | П        |          |          |          | T        | 寸        |          |          |
|                | 2        | 1        | _        |   | $\vdash$ |              |                                     | П                  |                 |   |           |  | 52       | $\Box$              |          | $\top$ |              | T       |              |              |  |            |  | 102        |                                     |          |          |          |          |          |          |          |          |
|                | 3        | 1        |          |   |          |              |                                     |                    |                 |   |           |  | 53       |                     |          |        | $oxed{oxed}$ |         | L            |              |  |            |  | 103        |                                     | Ш        |          |          |          |          |          |          |          |
|                | 4        | 0        |          |   |          |              |                                     |                    |                 |   |           |  | 54       |                     |          |        |              |         |              |              |  | ŀ          |  | 104        |                                     |          |          |          |          |          | _        | _        |          |
|                | 5        | 1        |          |   |          |              |                                     |                    |                 |   |           |  | 55       |                     | _        | 4      | ┵            | 4_      | ┸            | $oxed{oxed}$ | _  |            |  | 105        |                                     | Ш        |          |          |          | _4       | _        | _        | _        |
|                | 6        | 0        |          |   | _        | L            |                                     | Ш                  | Ш               |   |           |  | 56       | Ц                   | 4        | _      | 4            | ┷       | 1_           | ╙            | L_   |            |  | 106        |                                     | Ш        |          |          |          |          | _        | _        |          |
|                | 7        | 0        | L        |   |          | _            |                                     | Ш                  |                 |   |           |  | 57       | $\dashv$            | 4        | 4      | 4            | 4       | ╄            | -            | <u> </u>   | -          |  | 107        | _                                   | Н        |          | $\vdash$ |          | -        | $\dashv$ |          |          |
|                | 8        | 0        | _        |   |          | L            | $\vdash$                            | -                  | _               |   |           |  | 58       | $\dashv$            | +        | +      | 4            | +       | ╁            | ╁            | ⊢  |            |  | 108<br>109 |                                     | Н        |          |          |          | $\dashv$ | -        | -        | $\dashv$ |
|                | 9        | 0        |          |   | H        | $\vdash$     | H                                   | Н                  | Н               | _ |           |  | 59<br>60 | $\dashv$            | -        | -      | +            | +       | +-           | ⊢            | ├  |            | <u> </u>   | 110        | -                                   |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |
|                | 10<br>11 | 1        | H        | _ | H        | $\vdash$     | $\vdash$                            | $\vdash$           |                 |   |           |  | 61       |                     | +        | +      | +            | +       | +            | ╁╌           | ├  |            |  | 111        | $\vdash$                            | $\vdash$ | -        | -        |          | $\dashv$ | -+       | $\dashv$ | $\vdash$ |
| <u> </u>       | 12       | ľ        | $\vdash$ | _ | H        |              | $\vdash$                            | Н                  | Н               |   | 7.9.      |  | 62       | $\vdash$            | $\dashv$ | +      | +            | +-      | +            | ╁            | $\vdash$   |            | <del>                                     </del> | 112        | -                                   | Н        |          |          | $\neg$   | $\dashv$ | $\dashv$ |          | $\dashv$ |
| <u> </u>       | 13       | H        | -        |   | $\vdash$ | $\vdash$     |                                     | Н                  | $\vdash$        |   |           | $\vdash$   | 63       | $\vdash$            | $\dashv$ | +      | +            | +       | +            | $\vdash$     | ╁  |            |  | 113        | $\vdash$                            | Н        | $\vdash$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>       | 14       | -        | $\vdash$ | - | $\vdash$ | -            | $\vdash$                            | $\vdash$           | $\vdash$        |   |           |  | 64       | $\vdash$            | +        | $\top$ | +            | +       | +            | t            | $\vdash$   |            |  | 114        |                                     | П        |          |          |          | $\neg$   | $\dashv$ |          | $\dashv$ |
|                | 15       | $\vdash$ | $\vdash$ | _ |          | $\vdash$     | $\vdash$                            | Н                  | Н               |   |           | <b>-</b>   | 65       | $\vdash$            | $\dashv$ | _      | $\top$       | +       | $\top$       | 1            | T  |            |  | 115        |                                     | П        |          |          |          |          | $\dashv$ | $\neg$   | $\dashv$ |
| _              | 16       | $\vdash$ |          |   |          |              | Н                                   | П                  |                 |   | -         |  | 66       | $\Box$              | ┪        | _      | Ť            | 十       | T            | T            |  | * 4        |  | 116        |                                     | П        |          |          |          |          |          | $\Box$   | П        |
|                | 17       |          | $\vdash$ |   |          |              |                                     | П                  |                 |   |           |  | 67       | T                   |          |        |              | $\top$  | Т            | П            |  | 5          |  | 117        |                                     |          |          |          |          |          |          |          |          |
|                | 18       |          |          |   | Г        |              |                                     |                    |                 |   | ,         |  | 68       |                     |          |        |              |         |              |              |  |            |  | 118        |                                     |          |          |          |          |          |          |          |          |
|                | 19       |          | Г        |   |          |              |                                     |                    |                 |   |           |  | 69       |                     |          |        |              |         |              |              |  | 14         |  | 119        |                                     |          |          |          |          |          |          |          | Ш        |
|                | 20       |          |          |   |          |              |                                     |                    |                 |   |           |  | 70       |                     |          |        |              |         | L            |              |  |            |  | 120        |                                     |          |          |          |          |          |          |          | Ш        |
|                | 21       |          |          |   |          |              |                                     |                    |                 |   |           |  | 71       |                     |          |        | $\perp$      | ┸       | ┸            |              | <u> </u>   |            |  | 121        | ᆫ                                   |          |          |          |          |          |          |          | Ш        |
|                | 22       |          |          |   |          |              | L                                   |                    |                 |   | 3         |  | 72       | Щ                   |          | _      | $\perp$      | 4_      | ┸            | _            | L_   |            |  | 122        | <u> </u>                            |          |          |          |          |          | _        |          | Ш        |
|                | 23       |          | <u>_</u> |   |          | _            |                                     |                    |                 |   | 5.<br>5.e |  | 73       | $\sqcup$            | _        | 4      | 4            | +       | ╄            | ļ            | <u> </u>   |            |  | 123        | <u> </u>                            | Н        |          |          | $\dashv$ | _        | 4        | -        | Н        |
|                | 24       |          | _        |   | _        |              |                                     | $ldsymbol{\sqcup}$ | -               |   |           |  | 74       | $\vdash \vdash$     | -        | +      | +            | +       | +            | ┼-           | ⊢  |            |  | 124        |                                     | Н        | $\vdash$ |          |          |          | -        | _        | $\dashv$ |
|                | 25       | <u> </u> | _        |   | _        | $\vdash$     | <u> </u>                            | Ш                  | -               |   |           | -  | 75<br>76 | Н                   |          | +      | +            | +-      | +            | -            | ⊢  |            |  | 125<br>126 |                                     | Н        | $\vdash$ |          |          | -1       | $\dashv$ | -        | -        |
| $\vdash$       | 26<br>27 | _        | ⊢        |   | $\vdash$ |              |                                     | -                  | Н               |   |           |  | 77       | Н                   | $\dashv$ |        | +            | ┿       | +            | ╁            | ╁  | :          |  | 127        | ├─                                  | Н        | $\vdash$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| ⊢∸             | 28       |          | $\vdash$ |   | $\vdash$ | -            |                                     | $\vdash$           | Н               |   |           | _  | 78       | $\vdash$            | +        | +      | +            | ╁       | +            | +            | ⊢  | 1          |  | 128        | $\vdash$                            | ╌        | Н        |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>       | 29       | ┝        | ┢        | - | ╁        | $\vdash$     | ┢                                   | H                  | Н               | _ |           |  | 79       | H                   | $\dashv$ | +      | +            | +       | +-           | <del> </del> | ┢┈   |            |  | 129        | H                                   | Н        | $\vdash$ |          | $\neg$   |          | 一        | $\neg$   | П        |
|                | 30       | $\vdash$ | ┝┈       |   |          | $\vdash$     | $\vdash$                            | H                  | H               |   |           |  | 80       | H                   | $\dashv$ | +      | +            | ╅       | ╈            | +            | $\vdash$   | 1          |  | 130        | -                                   | H        |          |          |          |          | 1        | _        | П        |
|                | 31       |          | ┢        |   |          |              | $\vdash$                            | $\vdash$           |                 |   |           |  | 81       | H                   | 7        | 十      | +            | +       | T            | $\vdash$     | <del>                                     </del> |            |  | 131        |                                     |          |          |          |          |          | $\neg$   |          | П        |
|                | 32       | ŀ        | Т        |   |          |              | Г                                   | T                  |                 |   |           |  | 82       | $\Box$              | _        | 十      |              | T       | T            | †            |  | <u>.</u> ۱ |  | 132        |                                     |          |          |          |          |          |          |          | П        |
|                | 33       |          |          |   |          |              |                                     |                    |                 |   | ٠.        |  | 83       | $\Box$              |          | T      | T            |         | 1            | Ī            |  | 1          |  | 133        |                                     |          |          |          |          |          |          |          |          |
|                | 34       |          |          |   |          |              |                                     |                    |                 |   |           |  | 84       |                     | $\Box$   | I      |              | Ι       | oxdot        |              |  | ]          |  | 134        |                                     |          |          |          |          |          | $\Box$   |          |          |
|                | 35       |          |          |   |          |              |                                     |                    |                 | _ |           |  | 85       | Ш                   | $\perp$  |        |              | $\perp$ | $\perp$      |              | L  |            | L  | 135        | L                                   | Ш        |          |          | Ш        |          |          |          | Ш        |
|                | 36       |          |          |   |          |              |                                     |                    |                 |   | <b>#</b>  |  | 86       | Щ                   | $\perp$  | _[     | $\perp$      |         |              | lacksquare   | $\vdash$   |            |  | 136        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш        | Ш        |          | Ш        | Ц        |          |          | Ш        |
|                | 37       |          |          |   |          |              |                                     |                    |                 |   |           |  | 87       | $\sqcup$            | $\perp$  |        | 丄            | $\bot$  | $\perp$      | _            | _  |            |  | 137        |                                     | Ш        |          |          |          | _        | _        |          | Ш        |
| L              | 38       | _        | L        |   | Ш        |              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Щ                  | Ш               |   |           |  | 88       | $\sqcup$            | $\perp$  | 4      | $\perp$      | 4       | $\perp$      | ــ           | <del> </del>                                     |            | ļ  | 138        | ┞                                   | Ш        | Ш        |          |          |          |          | $\dashv$ | Щ        |
| L              | 39       | _        | L        | _ | <b> </b> | lacksquare   | <u> </u>                            | Щ                  | Ш               |   | .:        |  | 89       | $\vdash \downarrow$ | +        | -      | +            | +       | +            | $\vdash$     | <del>  -</del>                                   |            | ļ  | 139        | <del> </del> -                      | Н        | Н        |          | $\Box$   | -        |          |          | Щ        |
| $\vdash$       | 40       | <u> </u> | $\vdash$ | ļ |          | $\vdash$     | $\vdash$                            | Н                  | Ш               | _ |           | $\vdash$   | 90       | $\vdash \vdash$     | -        | +      | +            | +       | ╁            | ┼            | -  |            |  | 140<br>141 | $\vdash$                            | Н        | Н        | _        | $\dashv$ | $\dashv$ |          |          | $\vdash$ |
| <u> </u>       | 41<br>42 | <u> </u> | H        | _ | $\vdash$ | <del> </del> | $\vdash$                            | $\vdash$           | $\vdash$        |   |           | <u> </u>   | 91<br>92 | $\vdash \vdash$     | $\dashv$ | +      | +            | +       | +            | ╁            | $\vdash$   | , .        |  | 142        | -                                   | $\vdash$ |          |          |          | $\dashv$ | $\dashv$ | _        | $\dashv$ |
| <u> </u>       | 42       | $\vdash$ | -        | _ | $\vdash$ | $\vdash$     | $\vdash$                            | $\vdash$           | $\vdash$        | - | -         |  | 93       | $\vdash$            | $\dashv$ | +      | ┰            | +       | +            | +            | $\vdash$   | <br>- Th.; | $\vdash$   | 143        | $\vdash$                            | $\vdash$ | $\vdash$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$       | 43       | ┝        | $\vdash$ |   | Н        | $\vdash$     | $\vdash$                            | Н                  | $\vdash \vdash$ | _ |           | $\vdash$   | 94       | $\dashv$            | $\dashv$ | +      | +            | +       | +            | +-           | ╁─   | 10 m       |  | 144        | ╁╌                                  | H        | Н        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash\vdash$ | 45       | ┢        | $\vdash$ |   | ┢        | $\vdash$     | -                                   | $\vdash$           | $\vdash$        |   |           | $\vdash$   | 95       | $\vdash$            | +        | +      | +            | +       | +            | $\vdash$     | $I^-$  | irt.       |  | 145        | ┢                                   | Н        | $\vdash$ |          | -        |          | 寸        | $\dashv$ | $\dashv$ |
| $\vdash$       | 46       | $\vdash$ | $\vdash$ |   | $\vdash$ | -            | Н                                   | H                  | H               |   | 1.        | <del>                                     </del> | 96       | $\vdash \vdash$     | +        | +      | +            | $\top$  | +-           | T            | $\vdash$   | Υ .<br>4   |  | 146        | Н                                   | Н        | Н        |          |          | T        | 一        | $\neg$   | $\neg$   |
|                | 47       | Т        | П        | _ | П        | М            | П                                   | Н                  | М               |   |           |  | 97       | $\Box$              | $\dashv$ | 十      | 十            | $\top$  | T            | 1            | 1  |            |  | 147        |                                     | П        |          |          |          | $\Box$   |          | $\Box$   | $\neg$   |
|                | 48       | Т        |          |   |          |              | Г                                   | П                  | П               |   |           |  | 98       |                     | T        | _      |              |         | Τ            |              |  |            |  | 148        |                                     |          |          |          |          |          |          |          |          |
|                | 49       |          |          |   |          |              |                                     |                    |                 |   |           |  | 99       |                     |          |        |              | Ι       | $oxed{\Box}$ |              |  |            |  | 149        |                                     |          |          |          |          |          |          |          |          |
|                | 50       |          |          |   |          |              |                                     |                    |                 |   |           |  | 100      | Ш                   |          |        |              |         |              |              | L  |            | L  | 150        | <u> </u>                            |          |          |          |          |          |          |          | لـــا    |